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HIGH STRENGTH GALVANIZED STEEL SHEET AND PRODUCTION METHOD THEREFOR

Patent number: JP2002256386
Publication date: 2002-09-11
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Classification:
- international: ***C22C38/26; C22C38/38; C23C2/06;*** *C21D8/02;* **C22C38/26; C22C38/38; C23C2/06;** C21D8/02; (IPC1-7): C22C38/00; C21D9/46; C22C38/38
- european:
Application number: JP20010051300 20010227
Priority number(s): JP20010051300 20010227

Also published as:
EP1367143 (A1)
WO02068703 (A1)
US6869691 (B2)
US2003106620 (A
CA2407384 (A1)

View INPADOC patent family

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Abstract of **JP2002256386**

PROBLEM TO BE SOLVED: To provide a high strength galvanized steel sheet which is not fractured in the HAZ(heat affected zone) of the weld zone on forming and has formability similar to that of a single sheet. SOLUTION: The high strength galvanized steel sheet contains, as chemical components, 0.04 to 0.25% C, <=0.7% Si, 1.4 to 3.5% Mn, 0.05 to 1% Cr, <=0.05% P, <=0.01% S and 0.005 to 0.1% Nb and the balance substantially iron. The steel sheet also has a composite structure consisting of ferrite and a low temperature transformation phase having a mean grain size of <=10 &mu m. The steel sheet can contain one or more elements selected from 0.05 to 1% Mo, 0.02 to 0.5% V, 0.005 to 0.05% Ti and 0.0002 to 0.002% B as well.